

ABSTRACT

A board for a plasma color display, on which striped barrier ribs for partitioning address electrodes and discharge spaces are formed, and on which phosphor layer stripes emitting light of red, green and blue are formed in the grooves between the respectively adjacent barrier ribs, characterized in that the following relation is satisfied

$$P_b > P_r$$

where P_r is the distance between respectively adjacent barrier ribs for forming a red light emitting phosphor layer, and P_b is the distance between respectively adjacent barrier ribs for forming a blue light emitting phosphor layer, and that the height differences of the barrier ribs within the board face are within $\pm 0.5 \sim \pm 6 \mu\text{m}$ in reference to the average height of the barrier ribs, or characterized in that phosphor layer stripes respectively emitting light of the same color are formed in respectively adjacent two or more grooves. The present invention can also provide a plasma display which allows a well-balanced brighter color image to be displayed and allows a beautiful white image to be displayed in the case of full face light emission. The present invention can also provide a process for producing the same.